

CIRCUIT ARRANGEMENT

Abstract of the Disclosure

A circuit arrangement includes a load sensing system (LS) with individual loads (10,14) arranged in series forming a series section, and in parallel forming a parallel section. A hydraulic supply circuit (12) includes a supply pump (P) and a runback (16) for fluid. The load sensing system (LS) determines the highest load pressure in the series section and the parallel section. The loads of the parallel section can be actuated independently from the pressure level of the loads of the series section due to the highest load pressure being transferred as a control pressure to a valve unit (18) such that, as long as the load pressure of the parallel section is higher than the load pressure of the series section, the valve unit restricts the runback (16) so that the pressure of the supply pump (P) matches or exceeds the pressure required in the parallel section. Sufficient fluid pressure for the load in the parallel section is ensured independently of the number of loads in the series section.